Spronk Water Engineers

Douglas H. Clements, P.E.

Principal Water Resources Engineer
Spronk Water Engineers

Education: Bachelor of Science Degree in Civil Engineering, December 1979, Ohio State University.

Relevant Course work: Water Resources Engineering, Hydrology, Open Channel Hydraulics, Hydraulic Structures, Coastal Engineering, Fortran Programming, Statistics.

Continuing Education in Civil Engineering, Colorado State University: Water Quality Hydrology, Statistics in Water Resources, Natural Resources Law, Ground Water Hydrology, Design of Water Quality Monitoring Networks, Hydraulics of Closed Conduits, Linear Programming.

Professional Registration: Professional Engineer in Colorado, New Mexico, Montana and Arizona.

Professional Memberships: American Society of Civil Engineers
American Society of Agricultural and Biological Engineers

Work Experience:

March 1990 to Present — Principal Water Resources Engineer
Spronk Water Engineers, Inc.
1000 Logan Street
Denver, Colorado 80203

Perform engineering analyses relating to water resources, water rights and hydrology. Areas of expertise include the following:

Water Resources Engineering, Water Supply Development, River System Modeling, Water Accounting, Water System Yield Analyses and Reservoir Operation Studies.

Water Rights Engineering, Water Right Transfers, Exchange Plans, Augmentation Plans, Water Right Evaluations and Expert Testimony

Hydrology, Watershed Yield Analyses, Consumptive Use and Depletion Analyses, River Basin Modeling and Drought Frequency Studies

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Principal Water Resources Engineer
Spronk Water Engineers

May 1984	Project Manager
to	Gronning Engineering Company
March 1990	Denver, Colorado

Involved in projects relating to municipal water supply development including water right acquisitions and transfers, alternative analyses, water exchanges and yield studies. Directed and performed computer modeling studies relating to irrigation depletions, crop water consumption, water rights operations, river basin hydrology, water accounting and water exchanges. Frequently provided expert testimony in water court on water resource matters.

March 1980	Project Engineer
to	J.W. Patterson & Associates, Inc.
May 1984	Denver, Colorado

Performed various water resources engineering studies relating to water rights evaluations, water right transfers, storm runoff, reservoir sizing and hydrology. Field work included test hole installation and monitoring, stream gage and Parshall flume installation, field soil moisture measurement, and aquifer testing. Administered the firm's mini-computer and neutron hydroprobe.